

Title (en)

ESTIMATION, DESPITE FRAUD, OF THE POWER CONSUMED OVER A PHASE

Title (de)

SCHÄTZUNG DER AUF EINER PHASE VERBRAUCHTEN LEISTUNG TROTZ EINES BETRUGS

Title (fr)

ESTIMATION, MALGRE UNE FRAUDE, DE LA PUISSANCE CONSOMMEE SUR UNE PHASE

Publication

EP 4113132 B1 20230809 (FR)

Application

EP 22181113 A 20220624

Priority

FR 2107011 A 20210629

Abstract (en)

[origin: US2022413022A1] A power estimation method is implemented in a three-phase electricity meter, and includes the steps of: detecting a fraud falsifying a first voltage measurement on a first phase; acquiring a second voltage measurement on a second phase, the second voltage measurement not being falsified by the fraud; estimating a first phase shift between the first phase voltage and a first phase current, by using a first phase shift estimation between the first phase voltage and the second phase voltage; estimating at least one first electrical power consumed on the first phase from a first current measurement on the first phase, of the second voltage measurement, and of the first phase shift.

IPC 8 full level

G01R 22/06 (2006.01); **G01R 11/24** (2006.01)

CPC (source: CN EP US)

G01R 11/40 (2013.01 - US); **G01R 19/16538** (2013.01 - CN); **G01R 21/002** (2013.01 - CN); **G01R 21/003** (2013.01 - CN); **G01R 21/005** (2013.01 - CN); **G01R 21/06** (2013.01 - CN); **G01R 21/133** (2013.01 - US); **G01R 22/066** (2013.01 - CN EP); **G01R 11/24** (2013.01 - EP)

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